

In the claims:

Amend the following claims:

1. (Amended) A health supplement composition for mammals for improving memory and cognitive abilities comprising:
 - at least one phosphoester in a daily amount of between approximately 500 mg and approximately 26.8 g; and
 - at least one synergistic antioxidant combination, wherein said synergistic antioxidant combination comprises at least one antioxidant and at least one other composition component that has a synergistic relationship with said antioxidant;
 - wherein said use on mammals comprises prevention or treatment of illnesses or conditions selected from the group consisting of a condition requiring memory improvement, cognitive improvement, AIDS-associated dementia, Alzheimer's disease, benign senile forgetfulness, Down's syndrome-associated dementia, Lewy body dementia, multi-infarct dementia, multiple sclerosis, Parkinson's disease-associated dementia, tardive dyskinesia, Wernicke-Korsikoff syndrome, and alcoholism-associated dementia.
2. (Amended) The composition of claim 1 wherein said at least one phosphoester is selected from the group consisting of phosphatidylcholine, phosphatidylserine, phosphatidylethanolamine and phosphatidylinositol.

11. (Twice Amended) The composition of claim 2 wherein said phosphoester comprises a daily dosage of between approximately 0 mg and approximately 16,000 mg of phosphatidylcholine, between approximately 0 mg and approximately 300 mg of phosphatidylserine, between approximately 0 mg and approximately 500 mg of phosphatidylethanolamine, and between approximately 0 mg and approximately 10,000 mg of phosphatidylinositol, wherein at least one component in said composition is present in an amount greater than 500 mg.

12. (Twice Amended) The composition of claim 2 wherein said phosphoester comprises a daily dosage of between approximately 0 mg and approximately 1000 mg of phosphatidylcholine, between approximately 0 mg and approximately 100 mg of phosphatidylserine, between approximately 0 mg and approximately 200 mg of phosphatidylethanolamine, and between approximately 0 mg and approximately 1000 mg of phosphatidylinositol, wherein at least one component in said composition is present in an amount greater than 500 mg.

13. (Twice Amended) The composition of claim 4 wherein said herbal antioxidant comprises a daily dosage of between approximately 0 mg and approximately 7 mg of barberry, between approximately 0 mg and approximately 70 mg of bilberry proanthocyanidins, between approximately 0 mg and approximately 150 mg of lemon bioflavonoids, between approximately 0 mg and approximately 150 mg of lime bioflavonoids, between approximately 0 mg and approximately 150 mg of orange bioflavonoids, between approximately 0 mg and approximately 1000 mg of curcuma, between approximately 0 mg and approximately 2 mg of garlic bioflavonoids, between approximately 0 mg and approximately 180 mg of ginkgo biloba, between approximately 0 mg and approximately 2000 mg of ginseng, between approximately 0 mg and approximately 100 mg of gotu kola, between approximately 0 mg and approximately 1000 mg of grape seed proanthocyanidins, between approximately 0 mg and approximately 1000 mg of red apple quercetin, between approximately 0 mg and approximately 1000 mg of red onion quercetin, and between approximately 0 mg and approximately 400 mg of Siberian ginseng, wherein at least one component in said composition is present in an amount greater than 500 mg.

Cancel claim 10.

Add new claims 34 and 35, as follows:

--34. The composition of claim 1 wherein said phosphoester comprises a daily amount of at least 697.5 mg.

35. The composition of claim 34 wherein said phosphoester comprises a daily amount of at least 1000 mg.--